08/865,092

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
08/865,092	05/29/97	YAMANAKA	K NAKI-AZ69

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	KINDRED, A	
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Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

	Application No.	Applicant(s)
Office Action Summary	08/865,092	Kiyokazu Yamanaka et al.
	Examiner	Group Art Unit
	Kindred	2776

☒ Responsive to communication(s) filed on *5-27-97*

☐ This action is **FINAL**.

☐ Since this application is in condition for allowance except for formal matters, **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire _____3_____ month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claims

☒ Claim(s) *1-24* _____ is/are pending in the application.

    Of the above, claim(s) _____ is/are withdrawn from consideration.

☐ Claim(s) _____ is/are allowed.

☒ Claim(s) *1-24* _____ is/are rejected.

☐ Claim(s) _____ is/are objected to.

☐ Claims _____ are subject to restriction or election requirement.

Application Papers

☒ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on _____ is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on _____ is ☐approved ☐disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

☒ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

    ☒ All ☐ Some* ☐None   of the CERTIFIED copies of the priority documents have been

      ☒ received.

      ☐ received in Application No. (Series Code/Serial Number) _____ .

      ☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    *Certified copies not received: _____ .

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

☒ Notice of References Cited, PTO-892

☒ Information Disclosure Statement(s), PTO-1449, Paper No(s). *2 and 3*

☐ Interview Summary, PTO-413

☒ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

DETAILED ACTION

1.   This action is responsive to communications: application, filed on 05/29/97: prior art, filed

on 05/29/96.

2.   Claims 1-24 are pending. Claims 1 and 13 are independent claims.

3.   The present title of the application is "Data conversion apparatus for data communication

system."

Claim Rejections - 35 USC § 103

4.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness

rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in
> section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are
> such that the subject matter as a whole would have been obvious at the time the invention was made to a person
> having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the
> manner in which the invention was made.

5.   Claims 1-6, 9, 11-18, 21, 23 and 24 are rejected under 35 U.S.C. § 103(a) as being

unpatentable over Silver et al., U.S. Patent Number 5,481,712, filed 04/1993, class 395/700, title

"Method and apparatus for interactively generating a computer program for machine vision

analysis of an object", in view of Khoyi et al., U.S. Patent Number 5,634,124, filed 5/95, class

395/614, title "Data integration by object management".

With respect independent claim 1, **Silver et al.** discloses "document storing means for

storing a plurality of documents each of which includes at least a character string and at least a

piece of image information . . . wherein at least one of the character string and the piece of image

information includes a piece of link destination information which specifies another document as a

link . . . supplementary design storing means for storing a list of supplementary designs with serial

numbers respectively related to the supplementary designs" ("program storage means for storing a

program . . . syntactically correct computer program being generated . . . display means for ,

coupled to said program storage means, for displaying at least a portion of said . . . program . . .

positioning means . . . for demarking a location of interest . . . responding to position . . ."--

column 69, line 53) "display image element generating means for reading the character string and

the piece of image information one at a time from the document storing means . . . converting the

character string and the piece of image information into respective display image elements . . ."

("imaging means for generating a candidate of an image . . . selection means and to said imaging

means, for selectively displaying connection with said candidate image . . ."--column 70, line 60)

"bit-mapped graphics . . ." ("what the bitmap looks like in its selected state . . ."--column 60, line

55) "display image generating means for generating a display image which is composed of the

display elements, wherein the display image has a size which is equivalent to a size of display

screens of the plurality of data receiving apparatuses" ("a display step for displaying at least a

portion of computer program . . . corresponding to said operator selection . . ."--column 72, line

17) "supplementary design adding means for reading a supplementary design corresponding to the

piece of link destination information specifying the other document as the link destination from

the supplementary design storing means . . . adding the supplementary design to a corresponding

display image element in the display image" ("the position element 35 demarks the system

operator's location . . . specifies the position of interest . . . menu element 15 graphically displays

a list of . . . modifications . . . include additions or deletions the at insure that the program . . ."--

column 3, line 37). **Silver et al**. does not disclose "display link destination information converting

means for converting the piece of link destination information specifying the other document as

the link destination into a piece of display link destination information, the piece of display link

destination information being related to a serial number corresponding to the supplementary

design added by the supplementary design adding means, wherein the piece of the display link

destination information specifies, as a link destination." **Khoyi et al.** discloses "display link

destination information converting means for converting the piece of link destination information

specifying the other document as the link destination into a piece of display link destination

information, the piece of display link destination information being related to a serial number

corresponding to the supplementary design added by the supplementary design adding means,

wherein the piece of the display link destination information specifies, as a link destination" ("the

linked data for invoking the object . . .corresponding to the linked data and passing to the object .

. . of the requested operation . . . the information identifying the link data . . ."--column 80, line

40). It would have been obvious at the time of the invention for one skilled in the art to have

"display link destination information converting means for converting the piece of display link . .

.", because "display link destination information converting means for converting the piece of display link . . ." allows those skilled in the art to process data faster using linked information. **Silver et al.** discloses "another display image which is a display image of the other document generated by the display image generating means"displays, in connection with the generated candidate image . . ."--column 4, line 56).

With respect to dependent claim 2, **Silver et al.** discloses "a conversion table storing unit for storing a character size of the character string . . . a display image element generating unit for converting the character string into a display image element according to the character size and converting the piece of image information into a display image element" ("the parameter selection element 206 determines the mode, either graphical or textual, in with the input parameters are supplied . . .are amenable to specification . . ."--column 4, line 33).

With respect to dependent claim 3, **Silver et al.** discloses "a display position calculating unit for reading the starting positions of the display image elements and calculating respective display positions of the display image elements in the display image" ("the programming statements includes . . . call, calculate . . . methods to decorate the various displays of the application with operator provided information . . ."--column 6, line 63) "a display image generating unit for generating the display image by arranging the display image elements in the display image according to the display positions" (a manipulable marquee/box . . . permitting the operator to designate the region of interest . . ."--column 5, line 39).

With respect to dependent claim 4, **Silver et al.** discloses "a display link destination information generating unit for generating a plurality sets of pieces of display link destination information which respectively correspond to the plurality of display sub-images generated form the document" ("for selectively displaying in connection with said candidate image a: manipulable graphical icon . . ."--column 70, line 65).

With respect to dependent claim 5, **Silver et al.** discloses "a maximum number storing unit for storing a maximum number of the supplementary designs in the display image . . ." ("program storage means for storing a program . . ."--column 69, line 53) "a maximum number judging unit for judging whether the number of the supplementary designs to be arranged in the display image exceeds the maximum number . . . a display image dividing unit for, when the maximum number judging unit judges that the number of the supplementary designs exceeds the maximum number, sending an instruction to the display image generating unit to divide the display image into the plurality of display sub-images so that supplementary designs less than the maximum number are added to each of the plurality of display sub-images divided from the display image, wherein the display image generating unit generates the plurality of display sub-images according to the instruction" ("stores a table of elements . . . size, specified the constructor . . .based on the unsigned . . . value . . . display means . . . for displaying . . ."--column 69, line 6)

With respect to dependent claim 6, this claim is rejected on grounds corresponding to the arguments given above for rejected dependent claim 4. In dependent claim 6, Applicant claims a apparatus which contains steps corresponding to the apparatus of rejected dependent claim 4.

With respect to dependent claim 9, **Silver et al.** discloses "the display image generating unit generates the plurality of display sub-images so that each of the plurality of display sub-images . . ." ("graphical input signal 210 to displays . . . textually specify the input parameters required . . . a portion of the computer program signal representative of a lest a portion of the computer program being generated . . . that portion corresponding to invocation of the selected . . . ."--column 5, line 10).

With respect to dependent claim 11, this claim is rejected on grounds corresponding to the arguments given above for rejected dependent claim 5. In dependent claim 11, Applicant claims a apparatus which contains steps corresponding to the apparatus of rejected dependent claim 5.

With respect to dependent claim 12, this claim is rejected on grounds corresponding to the arguments given above for rejected dependent claim 6. In dependent claim 12, Applicant claims a apparatus which contains steps corresponding to the apparatus of rejected dependent claim 6.

With respect to independent claim 13, this claim is rejected on grounds corresponding to the arguments given above for rejected independent claim 1. In independent claim 1, Applicant claims a apparatus which contains steps corresponding to the apparatus of rejected dependent claim 1.

With respect to dependent claim 14, this claim is rejected on grounds corresponding to the arguments given above for rejected dependent claim 2. In dependent claim 14, Applicant claims a apparatus which contains steps corresponding to the apparatus of rejected dependent claim 2.

With respect to dependent claim 15, this claim is rejected on grounds corresponding to the arguments given above for rejected dependent claim 3. In dependent claim 15, Applicant claims a apparatus which contains steps corresponding to the apparatus of rejected dependent claim 3.

With respect to dependent claim 16, this claim is rejected on grounds corresponding to the arguments given above for rejected dependent claim 4. In dependent claim 16, Applicant claims a apparatus which contains steps corresponding to the apparatus of rejected dependent claim 4.

With respect to dependent claim 17, this claim is rejected on grounds corresponding to the arguments given above for rejected dependent claim 5. In dependent claim 17, Applicant claims a apparatus which contains steps corresponding to the apparatus of rejected dependent claim 5.

With respect to dependent claim 18, this claim is rejected on grounds corresponding to the arguments given above for rejected dependent claim 6. In dependent claim 12, Applicant claims a apparatus which contains steps corresponding to the apparatus of rejected dependent claim 6.

With respect to dependent claim 21, this claim is rejected on grounds corresponding to the arguments given above for rejected dependent claim 9. In dependent claim 21, Applicant claims a apparatus which contains steps corresponding to the apparatus of rejected dependent claim 9.

With respect to dependent claim 23, this claim is rejected on grounds corresponding to the arguments given above for rejected dependent claim 11. In dependent claim 23, Applicant claims a apparatus which contains steps corresponding to the apparatus of rejected dependent claim 11.

With respect to dependent claim 24, this claim is rejected on grounds corresponding to the arguments given above for rejected dependent claim 12. In dependent claim 24, Applicant claims a apparatus which contains steps corresponding to the apparatus of rejected dependent claim 12.

Claim Rejections - 35 USC § 103

6.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

7.   Claims 7, 8, 10, 19, 20, and 22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Silver et al. in view of Khoyi et al., as applied to claims 1-6, 9, 11-18, 23 and 24 above, and Leone et al., U.S. Patent Number 5,745,360, filed 08/1995, class 364/140, title "Dynamic hypertext link converter system and process."

With respect to dependent claim 7, **Silver et al.** does not disclose "information obtaining means for obtaining, via a communication line, a document written in HTML . . . at least a character string and at least a piece of image information . . . information writing means for writing the document written in HTML into the document storing means." **Leone et al.** discloses "information obtaining means for obtaining, via a communication line, a document written in HTML . . . at least a character string and at least a piece of image information . . . information writing means for writing the document written in HTML into the document storing means" ("text is formatted into HTML text and hypertext links . . ."--abstract). It would have been obvious at the time of the invention for one skilled in the art to have use "information obtaining means for obtaining, via a communication line, a document written in HTML . . . at least a character string and at least a piece of image information . . . information writing means for writing the document written in HTML into the document storing means . . .", because "information obtaining means for obtaining, via a communication line, a document written in HTML . . . at least a character string and at least a piece of image information . . . information writing means for writing the document written in HTML into the document storing means, give those skilled in the art a method of transferring information over the Internet.

With respect to dependent claim 8, **Silver et al.** discloses "first storing means for storing a plurality of video frames . . . second storing means for storing a plurality sets of pieces of display link destination information" ("a program storage element contains free memory space . . ."-- column 3, line 23). **Silver et al.** does not disclose "each having an identifier, are the display image

and the plurality of display sub-images . . .". **Leone et al.** discloses "each having an identifier, are

the display image and the plurality of display sub-images . . . which are generated by the display

link destination information converting means and are respectively related to the plurality of video

frames, wherein each of the plurality sets of pieces of display link destination information having

the same identifier as the identifier or a corresponding video frame . . ." ("a signal is not a global

identifier . . . the signal that specifies the special group of all signals . . ."--column 20, line 65). It

would have been obvious at the time of the invention for one skilled in the art to have the step of

"each having an identifier, are the display image and the plurality of display sub-images . . . which

are generated by the display link destination information converting means and are respectively

related to the plurality of video frames, wherein each of the plurality sets of pieces of display link

destination information having the same identifier as the identifier or a corresponding video frame

. . .", because "each having an identifier, are the display image and the plurality of display sub-

images . . . which are generated by the display link destination information converting means and

are respectively related to the plurality of video frames, wherein each of the plurality sets of pieces

of display link destination information having the same identifier as the identifier or a

corresponding video frame . . .", give those skilled in the art an added edge in linking information

data. **Silver et al.** discloses "broadcasting means for cyclically transmitting a certain number of

video frames . . ." ("program . . . into the format of a high-level computer language . . ."--column

3, line 28).

With respect to dependent claim 10, **Silver et al.** does not disclose "the document is written in HTML . . . the display image generating unit determines categories of the display image elements from tags written in the document." **Leone et al.** discloses "the document is written in HTML . . . the display image generating unit determines categories of the display image elements from tags written in the document" ("HTML link . . . put out IMG tag . . . derived from the SELECT control and text records . . ."--column 15, line 39).

With respect to dependent claim 19, this claim is rejected on grounds corresponding to the arguments given above for rejected dependent claim 7. In dependent claim 19, Applicant claims a apparatus which contains steps corresponding to the apparatus of rejected dependent claim 7.

With respect to dependent claim 20, this claim is rejected on grounds corresponding to the arguments given above for rejected dependent claim 8. In dependent claim 20, Applicant claims a apparatus which contains steps corresponding to the apparatus of rejected dependent claim 8.

With respect to dependent claim 22, this claim is rejected on grounds corresponding to the arguments given above for rejected dependent claim 10. In dependent claim 22, Applicant claims a apparatus which contains steps corresponding to the apparatus of rejected dependent claim 10.

Conclusion

8.   The prior art made of record and not relied upon is considered pertinent to applicant's

disclosure.

5,504,917   04/96   Austin   395/800

        Method and apparatus for providing picture generation and control features in a graphical

data flow environment.

5,398,183   03/95   Elliott   364/413.06

        Holter ecg report generating system.

5,260,697   11/93   Barrett et al.   345/173

        Computer with separate display plane and user interface processor.

9.   Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C.   20231

or faxed to:

(703)-308-9051 (**formal** communications intended for entry),

Or:

(703)-305-9724 (**informal** communications labeled **PROPOSED** or **DRAFT**).

Hand-delivered responses should be brought to:

Sixth Floor Receptionist, Crystal Park II, 2121 Crystal Drive, Arlington, VA.

10.   Any inquiry concerning this communication or earlier communications from the examiner

should be directed to

Alford Kindred, whose telephone number is (703)-305-3802 and can normally be reached

Monday-Friday from 8:30 AM to 5 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor,

Heather Herndon, can be reached at (703)-305-9701.

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the group receptionist whose telephone number is (703)-305-3900.

ANTON FETTING
PRIMARY EXAMINER